

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV102822\
 Data File : VV028753.D
 Acq On : 28 Oct 2022 13:44
 Operator : SY/MD
 Sample : N5232-06
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAD3

Quant Time: Oct 28 21:52:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR102522WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Oct 28 21:50:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.616	114	182453	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.847	117	168298	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.242	152	75175	5.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.304	65	71040	5.598	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	112.000%
7) Chloroethane-d5	1.564	69	58115	5.417	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	108.400%
11) 1,1-Dichloroethene-d2	2.105	63	103133	4.202	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.000%
20) 2-Butanone-d5	3.905	46	104200	36.013	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	72.020%
24) Chloroform-d	4.342	84	104123	4.725	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
26) 1,2-Dichloroethane-d4	5.030	65	52085	4.659	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.200%
32) Benzene-d6	5.047	84	212813	4.728	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.600%
36) 1,2-Dichloropropane-d6	6.066	67	71297	5.004	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	100.000%
41) Toluene-d8	7.313	98	179051	5.098	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.000%
43) trans-1,3-Dichloroprop...	7.622	79	15916	3.596	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	72.000%
46) 2-Hexanone-d5	8.091	63	86988	42.218	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	84.440%
56) 1,1,2,2-Tetrachloroeth...	10.210	84	41688	4.412	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	88.200%
66) 1,2-Dichlorobenzene-d4	11.615	152	52307	5.045	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.800%

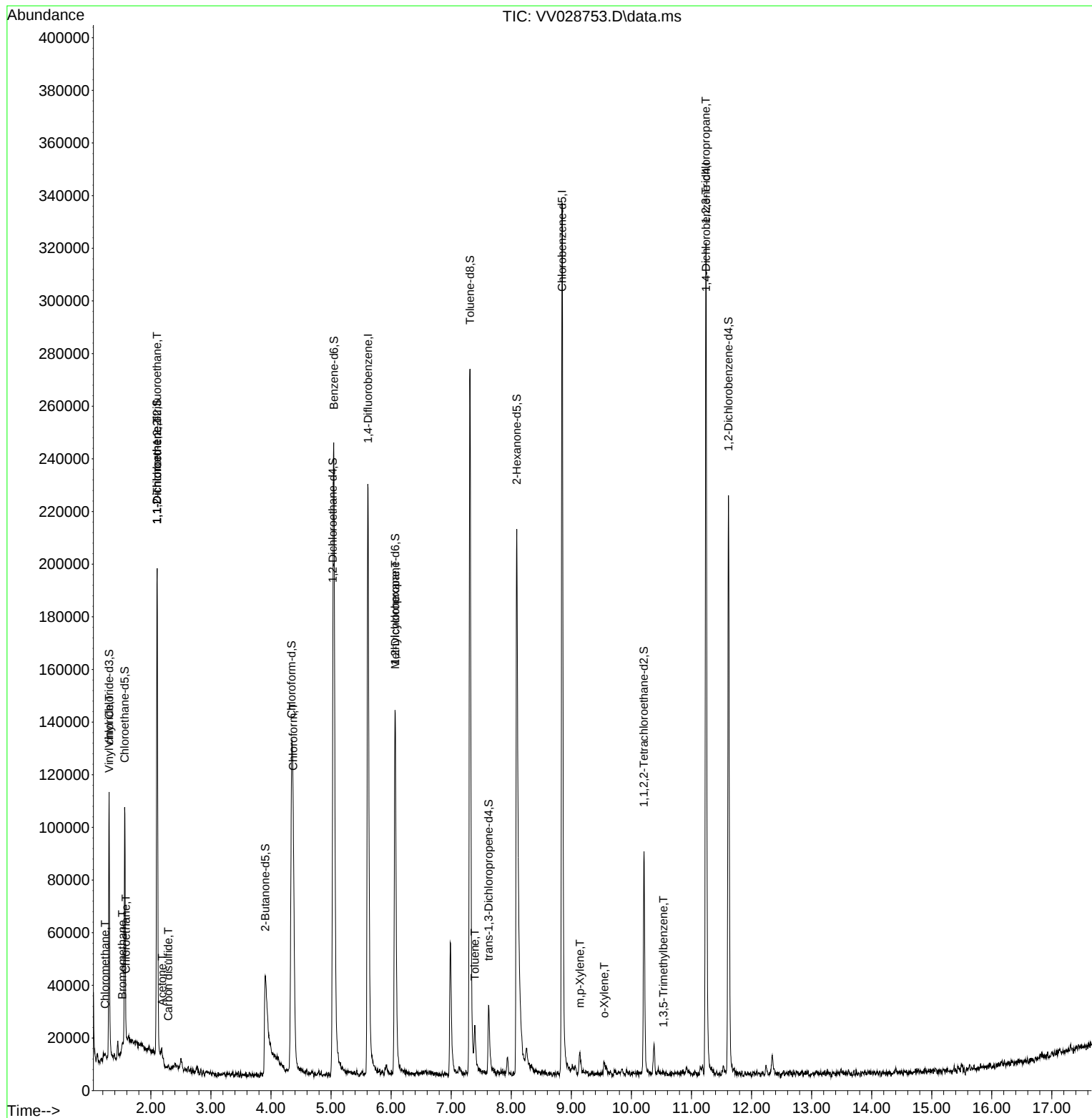
Target Compounds				Qvalue		
3) Chloromethane	1.240	50	1499	0.104	ug/L	89
5) Vinyl chloride	1.307	62	718	0.050	ug/L #	1
6) Bromomethane	1.523	94	1141	0.167	ug/L	93
8) Chloroethane	1.584	64	3050	0.314	ug/L #	56
10) 1,1,2-Trichloro-1,2,2-...	2.105	101	1212	0.107	ug/L #	27
12) 1,1-Dichloroethene	2.105	96	842	0.084	ug/L #	1
13) Acetone	2.185	43	9121	5.311	ug/L	78
14) Carbon disulfide	2.291	76	1585	0.068	ug/L #	19
25) Chloroform	4.371	83	73470	3.101	ug/L	95
35) Methylcyclohexane	6.069	83	14337	0.833	ug/L #	17
42) Toluene	7.394	91	11806	0.248	ug/L	91
53) m,p-Xylene	9.143	106	2331	0.122	ug/L	91
54) o-Xylene	9.551	106	1131	0.059	ug/L	81
61) 1,2,3-Trichloropropane	11.239	75	12236	1.896	ug/L #	71
62) 1,3,5-Trimethylbenzene	10.532	105	516	0.037	ug/L	98

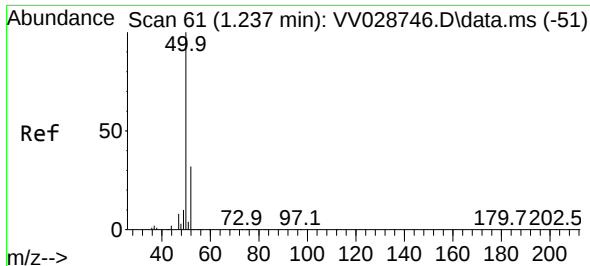
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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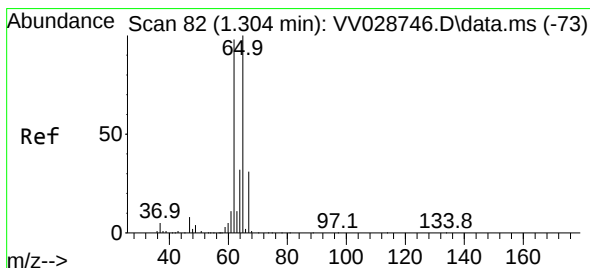
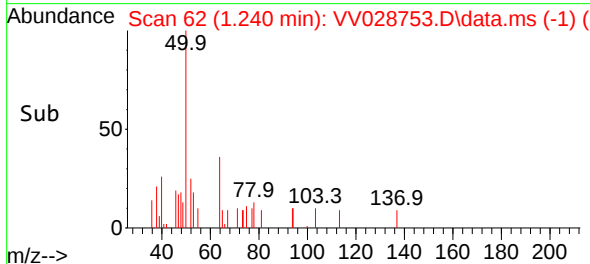
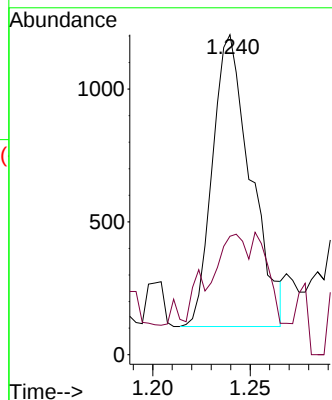
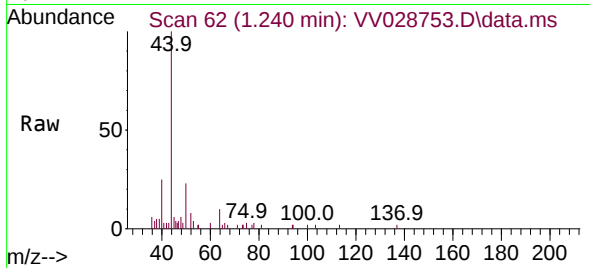




#3
Chloromethane
Concen: 0.104 ug/L
RT: 1.240 min Scan# 61
Delta R.T. 0.003 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

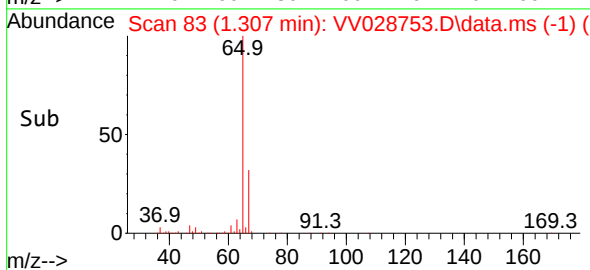
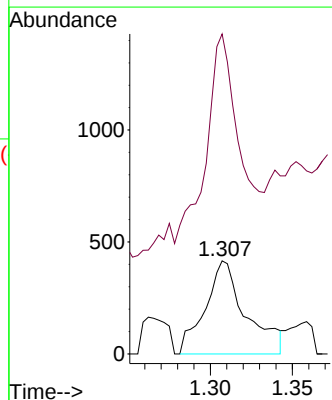
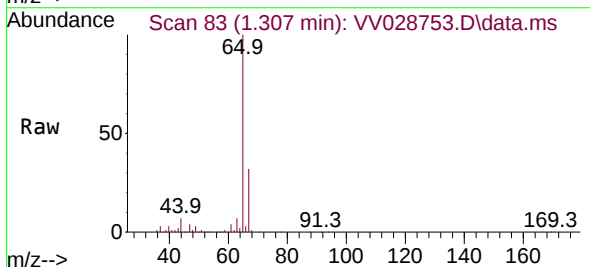
Instrument :
MSVOA_V
ClientSampleId :
BHAD3

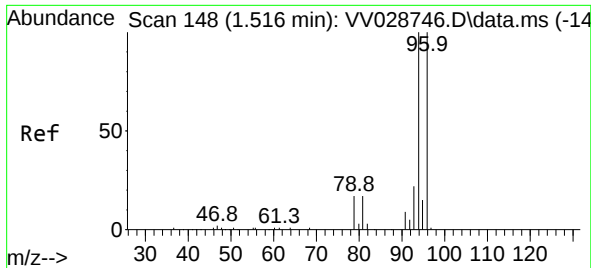
Tgt Ion: 50 Resp: 1499
Ion Ratio Lower Upper
50 100
52 37.0 21.8 40.6



#5
Vinyl chloride
Concen: 0.050 ug/L
RT: 1.307 min Scan# 83
Delta R.T. 0.003 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

Tgt Ion: 62 Resp: 718
Ion Ratio Lower Upper
62 100
64 343.5 22.0 41.0#

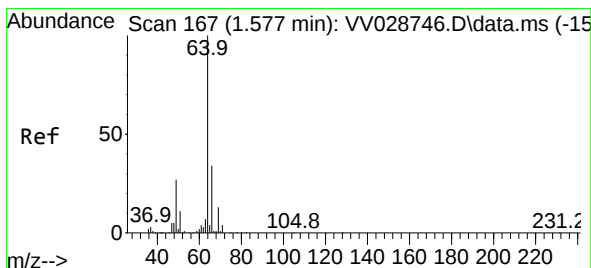
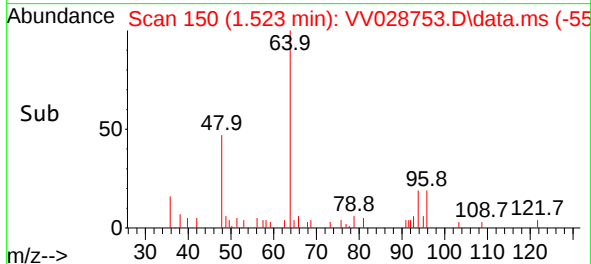
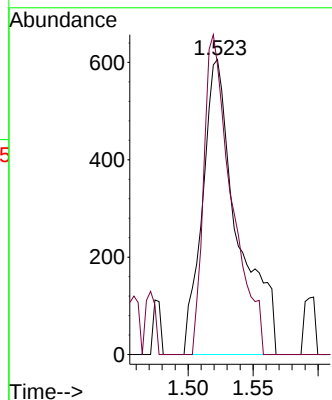
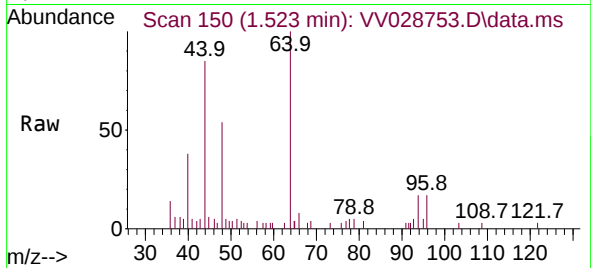




#6
Bromomethane
Concen: 0.167 ug/L
RT: 1.523 min Scan# 11
Delta R.T. 0.006 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

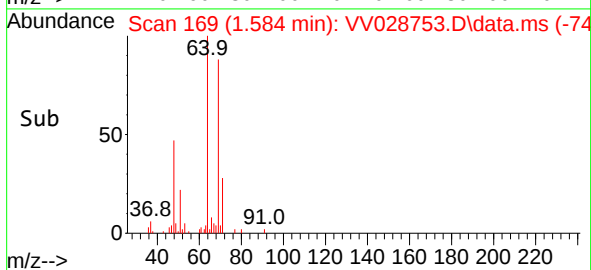
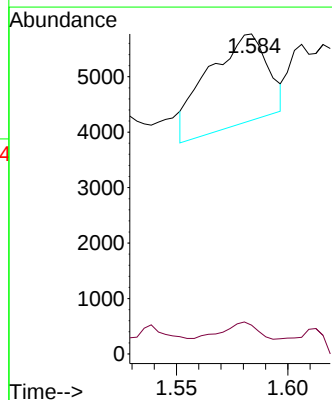
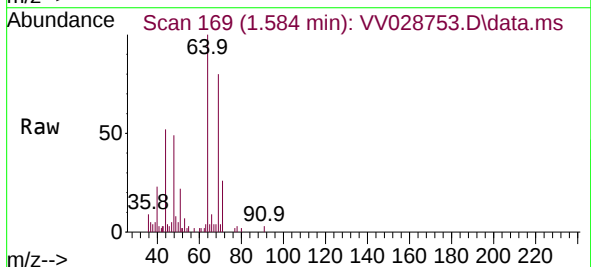
Instrument :
MSVOA_V
ClientSampleId :
BHAD3

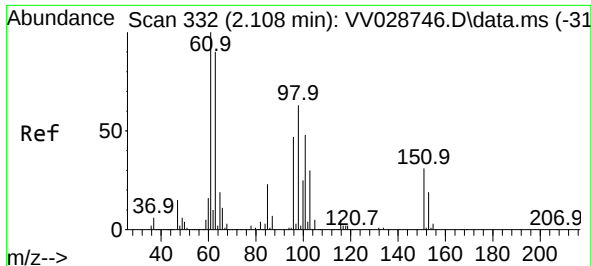
Tgt Ion: 94 Resp: 1141
Ion Ratio Lower Upper
94 100
96 98.2 64.3 119.3



#8
Chloroethane
Concen: 0.314 ug/L
RT: 1.584 min Scan# 169
Delta R.T. 0.006 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

Tgt Ion: 64 Resp: 3050
Ion Ratio Lower Upper
64 100
66 9.0 23.9 44.5#

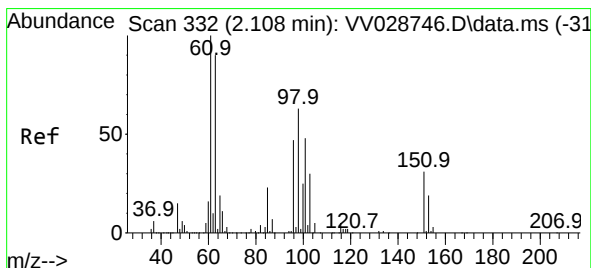
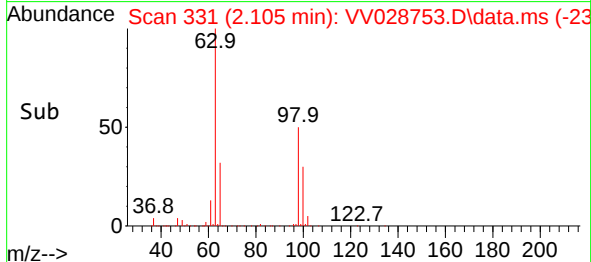
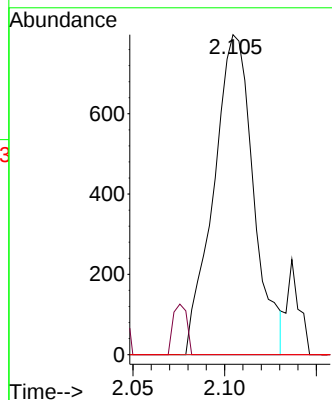
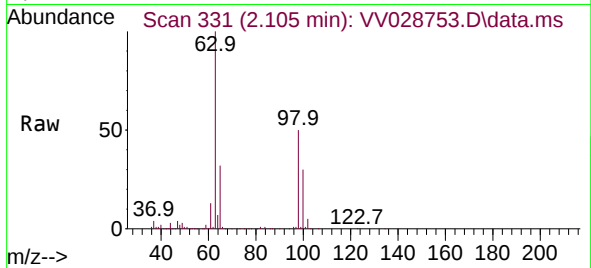




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.107 ug/L
 RT: 2.105 min Scan# 311
 Delta R.T. -0.003 min
 Lab File: VV028753.D
 Acq: 28 Oct 2022 13:44

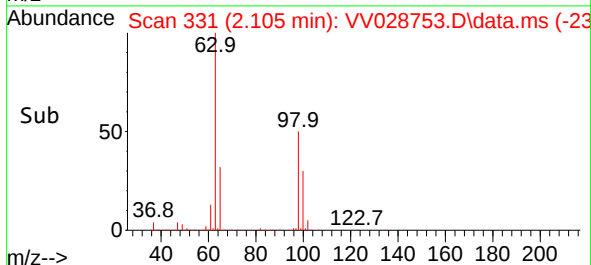
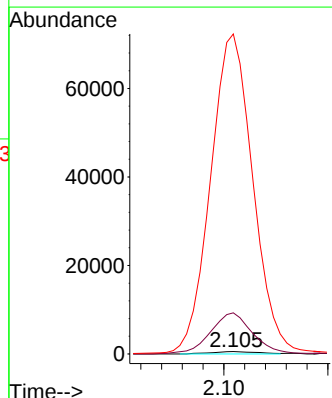
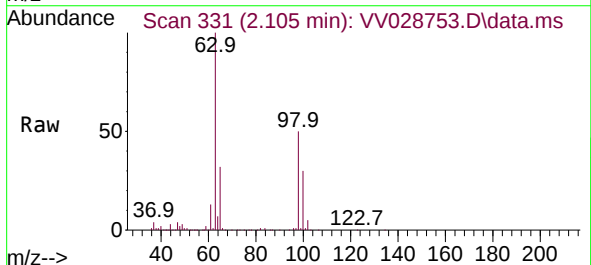
Instrument :
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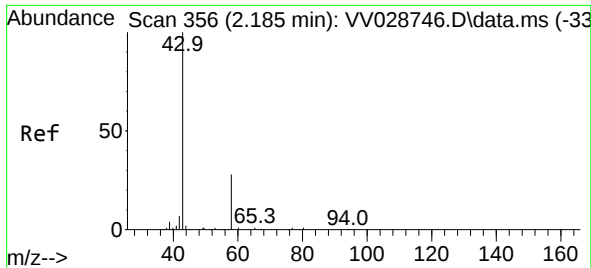
Tgt Ion:101 Resp: 1212
 Ion Ratio Lower Upper
 101 100
 85 5.4 37.0 55.6#
 151 0.0 50.2 75.2#



#12
 1,1-Dichloroethene
 Concen: 0.084 ug/L
 RT: 2.105 min Scan# 331
 Delta R.T. -0.003 min
 Lab File: VV028753.D
 Acq: 28 Oct 2022 13:44

Tgt Ion: 96 Resp: 842
 Ion Ratio Lower Upper
 96 100
 61 1720.2 148.1 275.1#
 63 13391.1 133.3 247.7#





#13

Acetone

Concen: 5.311 ug/L

RT: 2.185 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV028753.D

Acq: 28 Oct 2022 13:44

Instrument :

MSVOA_V

ClientSampleId :

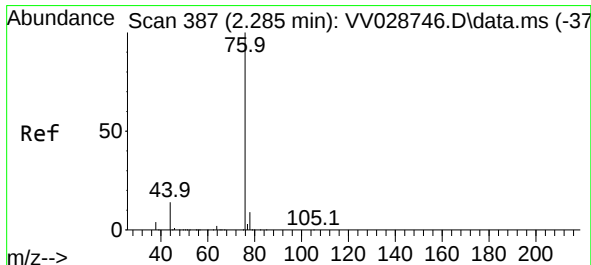
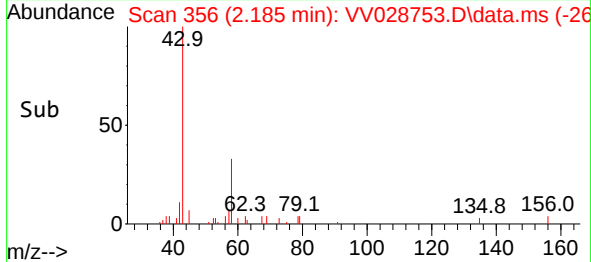
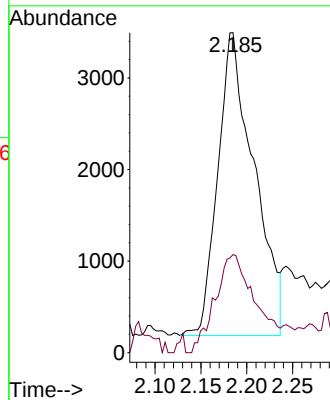
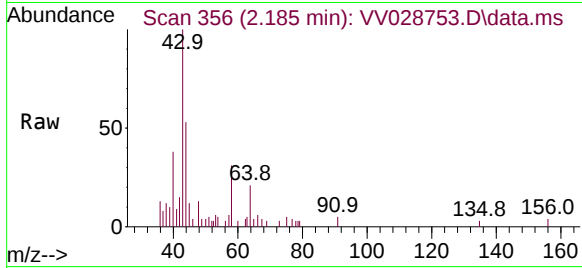
BHAD3

Tgt Ion: 43 Resp: 9121

Ion Ratio Lower Upper

43 100

58 36.1 0.0 50.2



#14

Carbon disulfide

Concen: 0.068 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.006 min

Lab File: VV028753.D

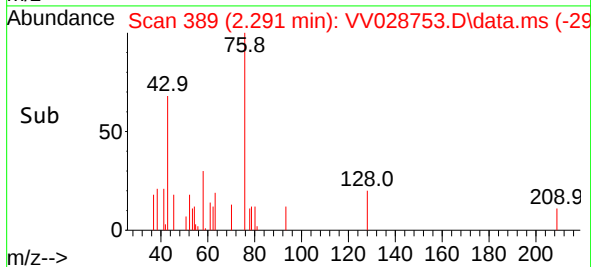
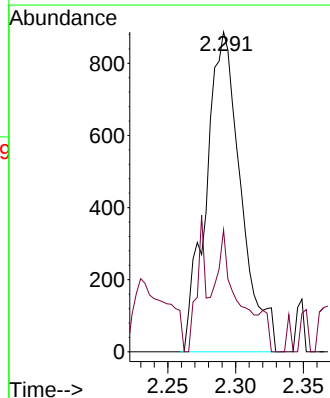
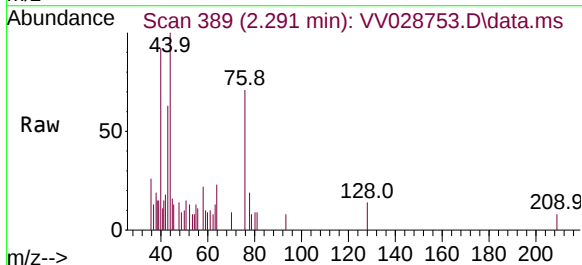
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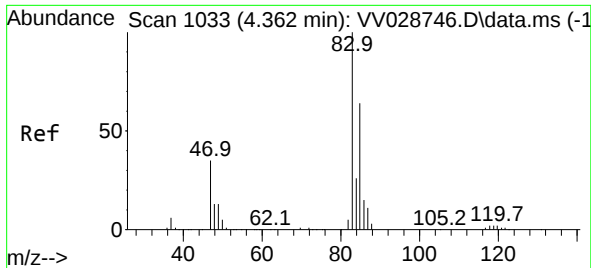
Tgt Ion: 76 Resp: 1585

Ion Ratio Lower Upper

76 100

78 38.1 7.1 10.7#

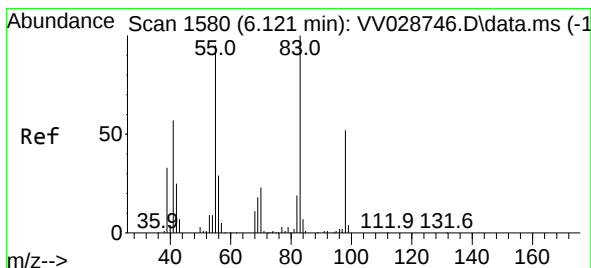
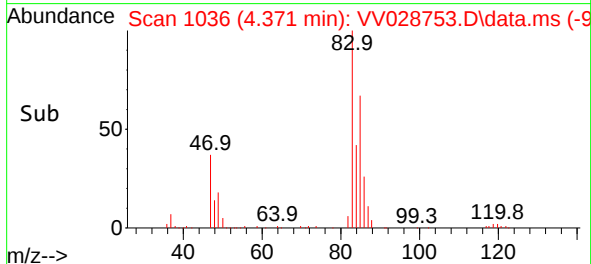
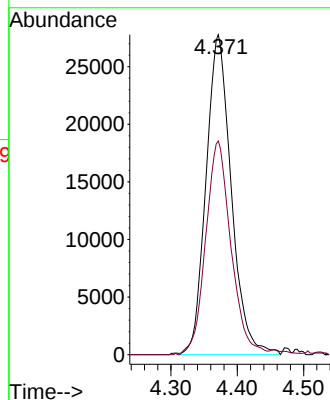
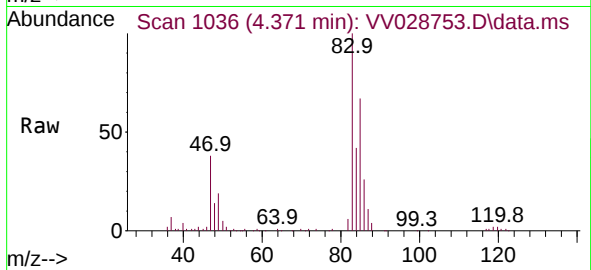




#25
Chloroform
Concen: 3.101 ug/L
RT: 4.371 min Scan# 1036
Delta R.T. 0.009 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

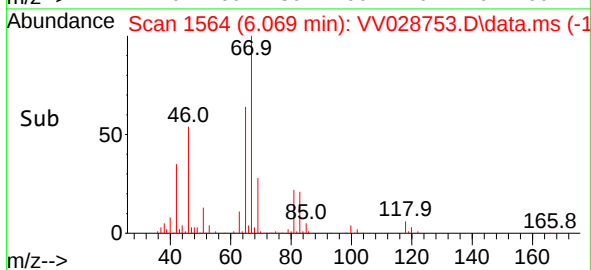
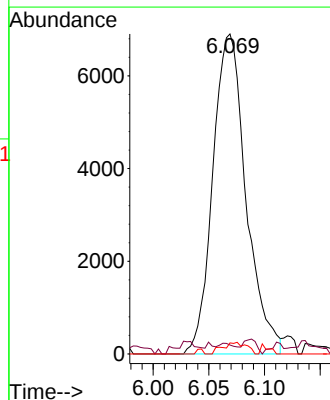
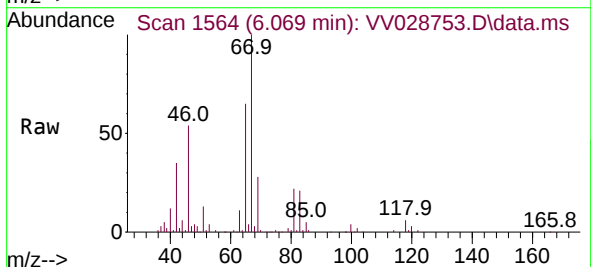
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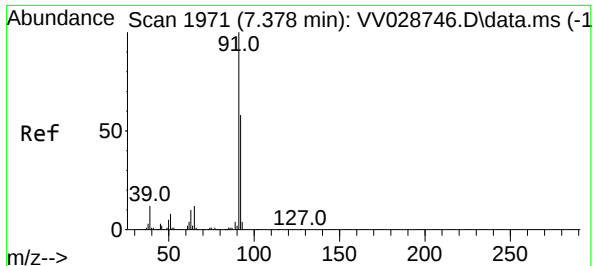
Tgt Ion: 83 Resp: 73470
Ion Ratio Lower Upper
83 100
85 66.8 44.1 81.9



#35
Methylcyclohexane
Concen: 0.833 ug/L
RT: 6.069 min Scan# 1564
Delta R.T. -0.052 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

Tgt Ion: 83 Resp: 14337
Ion Ratio Lower Upper
83 100
55 1.1 70.0 105.0#
98 2.6 35.6 53.4#





#42

Toluene

Concen: 0.248 ug/L

RT: 7.394 min Scan# 1976

Delta R.T. 0.016 min

Lab File: VV028753.D

Acq: 28 Oct 2022 13:44

Instrument :

MSVOA_V

ClientSampleId :

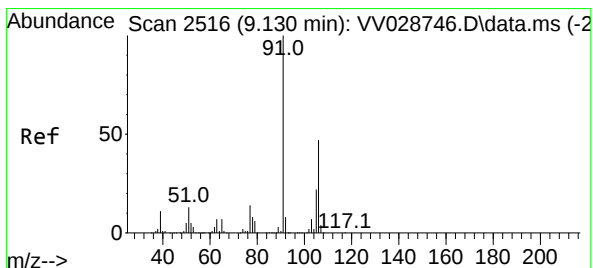
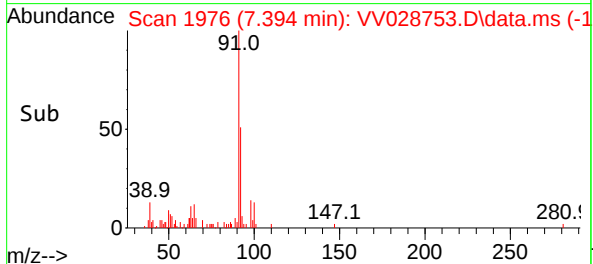
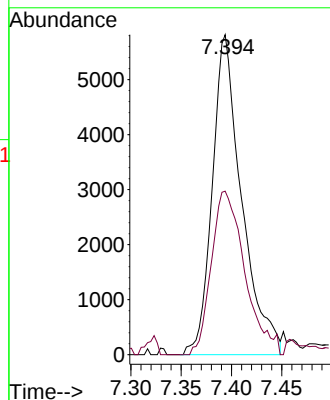
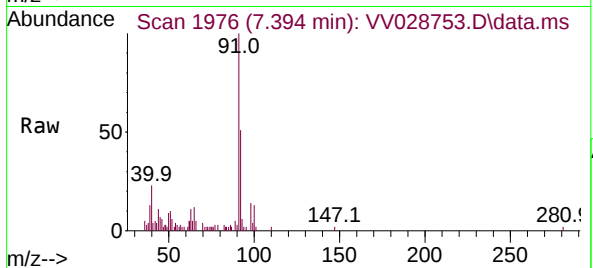
BHAD3

Tgt Ion: 91 Resp: 11806

Ion Ratio Lower Upper

91 100

92 51.1 40.5 75.3



#53

m,p-Xylene

Concen: 0.122 ug/L

RT: 9.143 min Scan# 2520

Delta R.T. 0.013 min

Lab File: VV028753.D

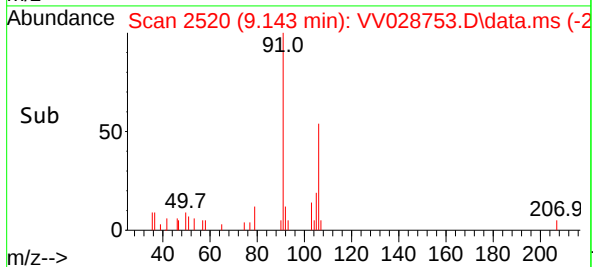
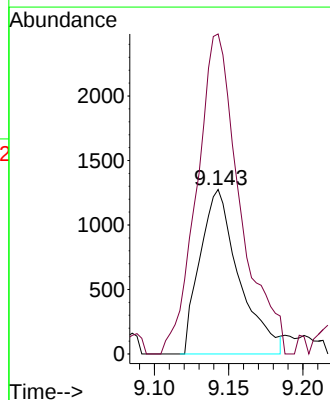
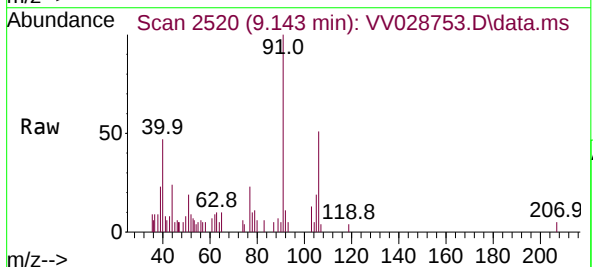
Acq: 28 Oct 2022 13:44

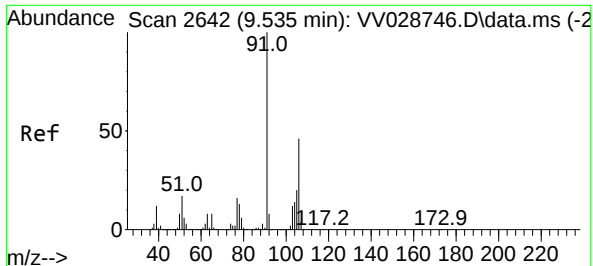
Tgt Ion: 106 Resp: 2331

Ion Ratio Lower Upper

106 100

91 194.4 145.5 270.1

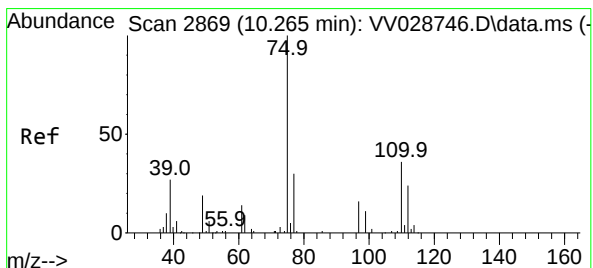
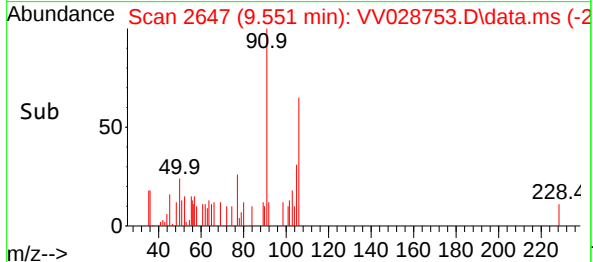
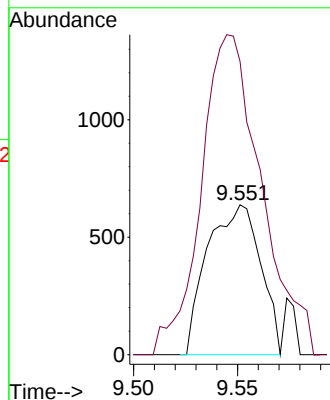
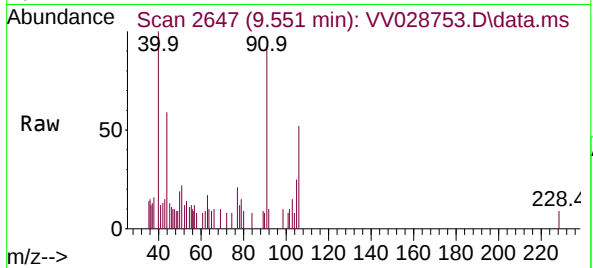




#54
o-Xylene
Concen: 0.059 ug/L
RT: 9.551 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

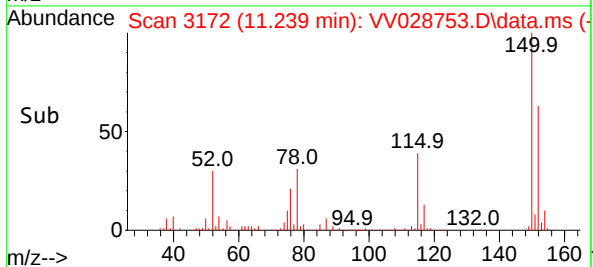
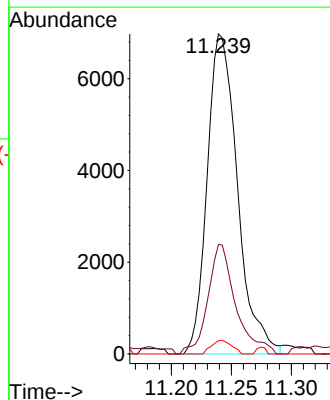
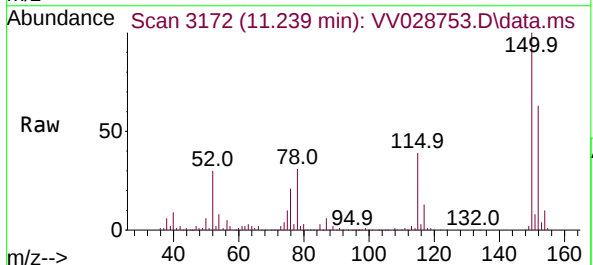
Instrument :
MSVOA_V
ClientSampleId :
BHAD3

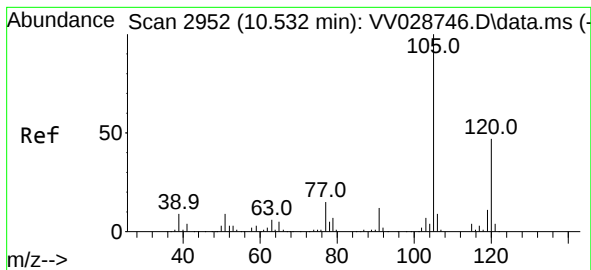
Tgt Ion:106 Resp: 1131
Ion Ratio Lower Upper
106 100
91 195.6 159.0 295.4



#61
1,2,3-Trichloropropane
Concen: 1.896 ug/L
RT: 11.239 min Scan# 3172
Delta R.T. 0.974 min
Lab File: VV028753.D
Acq: 28 Oct 2022 13:44

Tgt Ion: 75 Resp: 12236
Ion Ratio Lower Upper
75 100
77 31.3 25.2 37.8
110 2.8 27.9 41.9#





#62
 1,3,5-Trimethylbenzene
 Concen: 0.037 ug/L
 RT: 10.532 min Scan# 2952
 Delta R.T. -0.000 min
 Lab File: VV028753.D
 Acq: 28 Oct 2022 13:44

Instrument :
 MSVOA_V
 ClientSampleId :
 BHAD3

Tgt Ion:105 Resp: 516
 Ion Ratio Lower Upper
 105 100
 120 46.5 38.3 57.5

